

P. A. TESNER (Moscow, USSR) Why Does Soot Inception Stop?	187
J. S. TSAI and ARTHUR M. STERLING The Combustion of a Linear Droplet Array in a Convective, Coaxial Potential Flow	189
VEDAT S. ARPACI and AHMET SELAMET Buoyancy-Driven Turbulent Diffusion Flames	203
S. YUASA and H. ISODA Ignition and Combustion of Small Boron Lumps in an Oxygen Stream	216
A. HAMINS, M. KLASSEN, J. GORE, and T. KASHIWAGI Estimate of Flame Radiance via a Single Location Measurement in Liquid Pool Fires	223
A. LIFSHITZ, M. BIDANI, H. F. CARROLL, S. M. HWANG, P. -Y. FU, K. S. SHIN, and W. C. GARDINER, JR. Ignition of Monomethyl Amine	229
X. L. ZHANG, J. P. VANTELON, P. JOULAIN, and A. C. FERNANDEZ—PELLO Influence of an External Radiant Flux on a 15-cm-Diameter Kerosene Pool Fire	237
P. CAMINAT and E. SAATDJIAN The Oxidation of Solid Graphite Using a 5-kW CO ₂ Laser	249
SHIN-WON KANG, ADEL F. SAROFIM, and JÁNOS M. BEÉR Agglomerate Formation During Coal Combustion: A Mechanistic Model	258
S. SOMA and K. SAITO Reconstruction of Fire Whirls Using Scale Models	269
C. TREVIÑO and F. SOLORIO Asymptotic Analysis of the High-Temperature Ignition of CO/H ₂ /O ₂ Mixtures	285
J. A. MULHOLLAND, R. K. SRIVASTAVA, J. O. L. WENDT, S. R. AGRAWAL, and W. S. LANIER Trajectory and Incineration of Rogue Droplets in a Turbulent Diffusion Flame	297
C. MENEVEAU and T. POINSOT Stretching and Quenching of Flamelets in Premixed Turbulent Combustion	311
DAVID W. SHAW and ROBERT H. ESSENHIGH Temperature Fluctuations in Pulverized Coal (P.C.) Flames	333
DOUGLAS FEIKEMA, RUEY-HUNG CHEN, and JAMES F. DRISCOLL Blowout of Nonpremixed Flames: Maximum Coaxial Air Velocities Achievable, with and without Swirl	347
BAKI M. CETEGEN and DAVID R. BOGUE Combustion in a Stretched Fuel Strip with Finite Rate Chemistry	359
ROBERT S. CLAY and DAVID HUSAIN Absolute Rate Data for Reactions of Ground-State Atomic Calcium, Ca(4s ² (¹ S ₀)), at Elevated Temperatures Determined by Time-Resolved Atomic Resonance Absorption Spectroscopy at λ= 422.7 nm (4 ¹ P ₁ ← 4 ¹ S ₀)	371
C. L. CHEN and S. H. SOHRAB Simultaneous Effects of Fuel/Oxidizer Concentrations on the Extinction of Counterflow Diffusion Flames	383
J. B. A. CARD and A. R. JONES A Light Scattering Method to Discriminate between Coal and Fly Ash Particles Dispersed in Air	394